



Publications

Helmholtz Centre for Environmental Research – UFZ

Topic 4: Coastal Transition Zones under Natural and Human Pressure

Preface

This list includes all publications of the year 2023 assigned to program topic 4 “Coastal Transition Zones under Natural and Human Pressure” of the Helmholtz research program "Changing Earth - Sustaining our Future" within the research field Earth and Environment which were authored, co-authored or edited by staff members of the Helmholtz Centre for Environmental Research - UFZ.

If a publication belongs to more than one program topic, both primary and secondary assignments are indicated.

The editorial deadline for this publication list was 31 January 2024.

In contrast to external authors, UFZ staff names are highlighted in **bold type** in all publications.

The concluding index lists all UFZ authors in alphabetical order with the sequential numbers of their publications.

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Publications in ISI/Scopus listed journals/series

1. Boumaiza, L., Ben Ammar, S., Chesnaux, R., Stotler, R.L., Mayer, B., Huneau, F., Johannesson, K.H., Levison, J., **Knöller, K.**, Stumpp, C. (2023):
Nitrate sources and transformation processes in groundwater of a coastal area experiencing various environmental stressor
J. Environ. Manage. **345** , art. 118803
2. **Kamjunke, N.**, Brix, H., Flöser, G., Bussmann, I., **Schütze, C.**, Achterberg, E.P., **Ködel, U.**, Fischer, P., Rewrie, L., Sanders, T., **Borchardt, D.**, **Weitere, M.** (2023):
Large-scale nutrient and carbon dynamics along the river-estuary-ocean continuum
Sci. Total Environ. **890** , art. 164421
Main topic T5; Secondary topic T4
3. **Miniussi, A.**, **Merz, R.**, **Kaule, L.**, **Basso, S.** (2023):
Identifying discontinuities of flood frequency curves
J. Hydrol. **617, Part B** , art. 128989
4. **Musolff, A.**, Möck, C. (2023):
Mit Sicherheit unsicher: Grundwasserbewirtschaftung und Landwirtschaft im Zuge des Klimawandels. Certainly uncertain: groundwater management and agriculture in the wake of climate change
Grundwasser **28** (2), 119 - 120
Main topic T4; Secondary topic T5
5. Schreiner, V.C., **Liebmann, L.**, Feckler, A., **Liess, M.**, Link, M., Schneeweiss, A., Truchy, A., **von Tümpling, W.**, **Vormeier, P.**, **Weisner, O.**, Schäfer, R.B., Bundschuh, M. (2023):
Standard versus natural: Assessing the impact of environmental variables on organic matter decomposition in streams using three substrates
Environ. Toxicol. Chem. **42** (9), 2007 - 2018
Main topic T4; Secondary topic T9
6. Spank, U., Bernhofer, C., Mauder, M., **Keller, P.S.**, **Koschorreck, M.** (2023):
Contrasting temporal dynamics of methane and carbon dioxide emissions from a eutrophic reservoir detected by eddy covariance measurements
Meteorol. Z. **32** (4), 317 - 342
7. **Zhou, X.**, **Jomaa, S.**, **Yang, X.**, **Merz, R.**, Wang, Y., **Rode, M.** (2023):
Stream restoration can reduce nitrate levels in agricultural landscapes
Sci. Total Environ. **896** , art. 164911

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